

TE. ATE
ARTICLE I OF THE INTERIOR
AUG 1 1950 GEOLOGICAL SURVEY

Aug 2 - 1950

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO SET WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOT OR ABANDON	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO HALL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 1, 1950

Well No. 1 is located 2,220 ft. from N line and 800 ft. from E line of sec. 20

Sec. Sec. 20

21 S

23 E

Salt Lake

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

(Field)

Grand

(County or Subdivision)

Utah

4,434 ground level before drilling location.

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well is to be drilled with rotary tools. Unless circulation difficulties dictate otherwise, it is planned to set 300 feet of 10-3/4" surface pipe. All potential pay zones will be tested according to accepted oil field practices.

Well will commence in Monroe shale. Anticipated depths to the formations to be encountered are as follows:

Bakota ss. 1900'; Morrison fm. 1540'; Salt Wash member Morrison ss. 1570'; Aneth 2210'; Carmel 2447'; Navajo 2465'; Kayenta 2760'; Wingate 2933'; Chinle 3035'; Moenkopi 3420'; Cutler 3520'; Granite wash or pre-Triassic bed 4,000'. (Depths calculated from intervals found in the Continental-Wilcox-Monkobi-Pearl Glass Dome test.)

(SEE ATTACHED RIDER FOR APPROVAL)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Equity Oil Company

Address 400 Utah Oil Building

Salt Lake City, Utah

By V.L.Peterson

Title Chief Geologist.

S C A L U M B E R G E R

WELL SURVEYING CORPORATION

Location of Well C NW SW	COMPANY: EQUITY OIL	COUNTY: GRAND FIELD OR WILDCAT LOCATION: SEC. 20-21S-23E WELL #1 NASH DRAW GOVT
WELL: #1 NASH DRAW GOVT	STATE: UTAH	COMPANY: EQUITY OIL
FIELD: WILDCAT	FILING No.:	
LOCATION: SEC. 20-21S-23E		
COUNTY: GRAND		
STATE: UTAH		

Elevation: D.F.

4514

K.B. or G.L.

or G.L.

RUN NO. ONE

Date 9/20/50

Fst. Reading 308

Last Reading 308

Footage Measured 2500

Cig. Shoe Schum 308

Cig. Shoe Driller 308

Max. Depth Reached 3800

Bottom Driller 3810

Depth Datum RDP

Mud Nature GL

" Density 10.2

" Viscosity 22

" Resistivity 3.1 CSG

" Magnetic BHT 1.9 @ 123'

" pH 8.3 @ "

" Water Loss 8 CC/30 Min.

Maximum Temp. °F. 122

Bit Size 9"

Spacings - AM. 16"

A 64"

AO 181 8"

E.S. Rig Time 12 HOURS

Truck No. 298

Recorded By MULLINAX

Witnessed By PETERSON

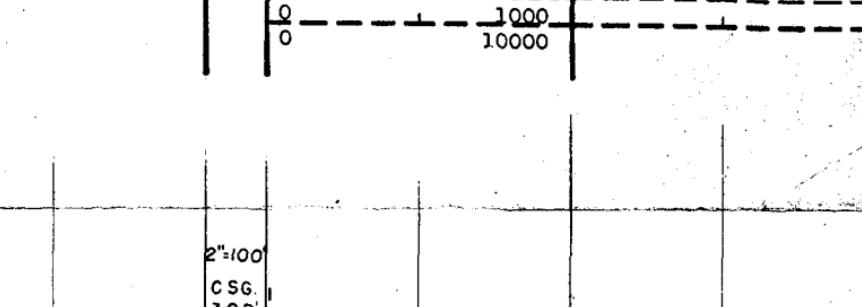
REMARKS

MUD FROM MUD PIT

A RILEY REPRODUCTION

Reg. No. 579892

SPONTANEOUS-POTENTIAL millivolts	SHIPS	RESISTIVITY -ohms. m ² /m.
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2" = 100'

CSG.
308

0.400

0.500

0.600

0.700

0.800

0.900

1.000

1.100

1.200

1.300

1.400

1.500

1.600

1.700

1.800

1.900

2.000

2.100

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2.400

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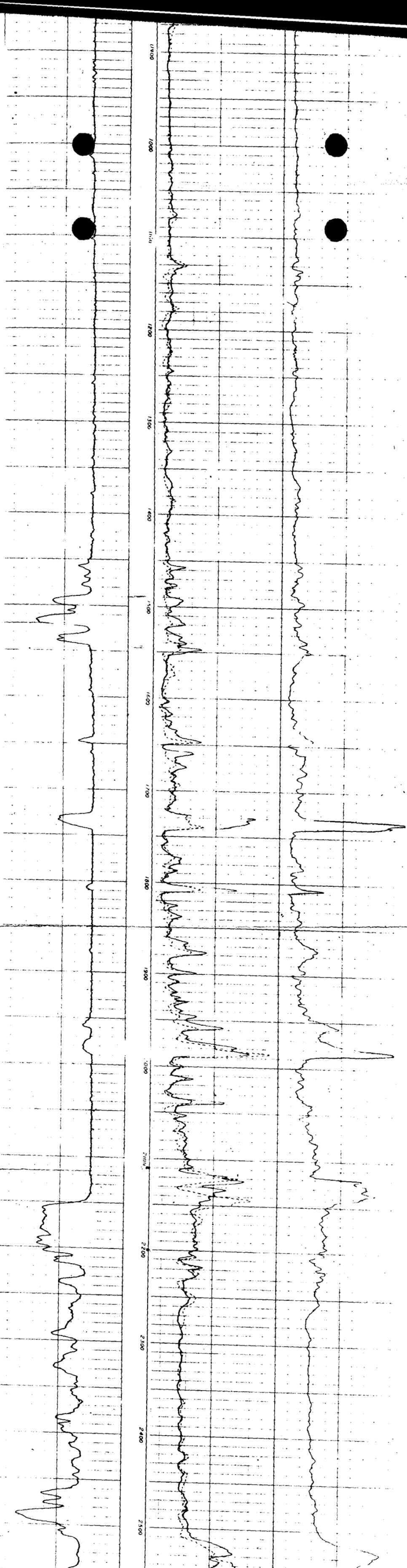
24.000

24.100

24.200

24.300

24.400



EQUITY OIL COMPANY
NASH WASH NO. 1 (GOV'T)
SEC. 20 - 21 S - 23 E
GRAND COUNTY, UTAH
ELEV. 4514' K.B.

1st Rdg
3808'

0

100

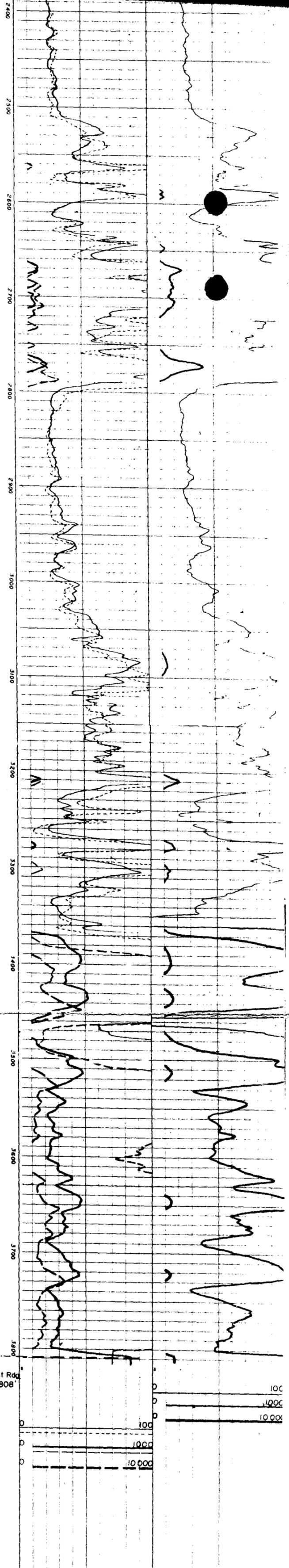
1000

10,000

10C

100C

10,000C



0 - 40 gray calcareous shale with some gypsum.
 40 - 300 100% gray calcareous shale with some gypsum.
 300 - 340 100% calcareous shale w/nodules and stringers, of brown x ln ls.
 340 - 350 100% grey calcareous shale tr. brown chut.
 350 - 500 100% grey calcareous shale w/ some gypsum.
 500 - 540 100% grey shale.
 540 - 550 70% grey shale. 30% white f. g. shaly ss. w/ muscovite.
 550 - 570 100% grey shale.
 570 - 580 10% sandy ls. 90% grey shale.
 580 - 600 100% grey shale.
 600 - 610 40% grey shale f. g. shaly ss. white to light grey, 60%.
 610 - 620 30% grey shale 70% f. g. shal ss.
 620 - 630 20% grey shale, 80% f. g. shaly ss.
 630 - 640 20% grey shale 80% f. g. shaly ss.
 640 - 650 10% grey shale. 90% f. g. shaly ss.
 650 - 730 100% grey shale
 730 - 740 100% grey sandy shale.
 740 - 760 100% grey shale.
 760 - 770 70% grey shale. 30% shaly f. g. lite grey ss.
 770 - 790 100% grey shale

1340 - 1350 70% sandy grey shale. 10% f.g. lite grey ss w/pyrite.
 1350 - 1360 40% sandy grey shale. 60% f.g. lite grey ss w/ pyrite.
 1360 - 1370 60% sandy grey shale. 40% f.g. lite grey ss w/pyrite.
 1370 - 1380 20% sandy grey shale. 80% f.g. lite grey ss w/pyrite.
 1380 - 1390 100% f.g. grey shaly ss.
 1390 - 1400 50% grey shale 50% f.g. gr shaly ss.
 1400 - 1410 80% grey shale. 20% f.g. grey shaly ss.
 1410 - 1420 60% grey shale. 40% f.g. grey shaly ss.
 1420 - 1450 80% grey shale. 20% f.g. grey shaly ss.
 1450 - 1460 100% white cse gnd ss w/ac white chart.
 1460 - 1470 100% white cse gnd ss w/ac white chart.
 1470 - 1480 30% grey shale. 70% white cse gnd ss w/some white c. chart.
 1480 - 1490 90% grey shale, 10% white cse gnd ss w/some white chart.
 1490 - 1500 60% grey shale, 40% white cse gnd ss w/some pyrite and chart pebbles.
 1500 - 1510 90% grey shale. 10% white cse gnd ss w/some pyrite and chart pebbles.
 1510 - 1520 70% grey shale 30% white c. gnd ss w/some pyrite & che

#2
 790 - 800 100% grey sandy shale.
 800 - 810 10% tan dense la. 90% grey sandy shale.
 810 - 820 10% tan dense la. 80% grey sandy shale. 10% ss.
 820 - 830 100% grey shale.
 830 - 840 10% tan dense la. 90% grey shale.
 840 - 1120 100% grey shale.
 1120 - 1130 100% grey shale w/some gypsum.
 1130 - 1160 10% tan dense la. 90% grey shale.
 1160 - 1170 100% grey shale.
 1170 - 1180 10% tan dense la. 80% grey shale. 10% ss.
 1180 - 1190 100% grey shale.
 1190 - 1200 90% grey shale. 10% white bentonite.
 1200 - 1220 70% grey shale. 30% f.g. lite ss. w/ pyrite.
 1220 - 1240 50% grey shale. 50% f.g. lite grey ss. w/pyrite.
 1240 - 1250 10% tan dense ls. 50% grey shale. 40% f.g. lite grey ss w/ pyrite.
 1250 - 1270 100% grey shale.
 1270 - 1300 80% sandy grey shale. 20% f.g. lite grey ss w/ pyrite.
 1300 - 1310 50% sandy grey shale. 50% f.g. lite grey ss w/ pyrite.
 1310 - 1330 80% sandy grey shale. 20% f.g. lite grey ss w/ pyrite.
 1330 - 1340 40% sandy grey shale. 30% f.g. lite grey ss w/ pyrite.

#4
 1520 - 1540 100% white cse gnd ss w/ white & grey chert.
 1540 - 1550 80% lite grey dense ls.. 10% green shale, 10% ss.
 1550 - 1560 60% lite grey dense ls. 40% green shale.
 1560 - 1570 40% red shale, 20% grey sha 20% green shale, 10% yellow shale, 10% ss.
 1570 - 1580 80% red shale, 10% grey sha 10% ss.
 1580 - 1590 40% red shale, 40% grey shale, 10% green sh. 10% ss.
 1590 - 1600 20% red shale, 80% green sandy shale.
 1600 - 1610 30% grey shale, 70% green sandy shale.
 1610 - 1620 100% fine to cse gnd, whit to varigated arkosic ss.
 1620 - 1630 80% red shale, 20% ss, (as above.)
 1630 - 1640 100% med. gnd red ss.
 1640 - 1650 20% red shale, 40% grey shale, 40% green shale.
 1650 - 1660 30% grey shale, 20% green, 50% f.g. pink ss.
 1660 - 1670 No sample.
 1670 - 1680 20% red shale, 60% grey sh 20% green shale.
 1680 - 1690 20% red sh, 50% grey sh, 2 green sh., 20% med gnd. wh ss.
 1690 - 1700 20% red sh, 40% grey shale 20% gr. shale, 20% med wh. gnd. ss.

#5
 1700 - 1710 50% red sh., 20% grey sh., 20% gr. sh., 10% med gnd. white ss.
 1710 - 1720 50% white sh., 30% grey sandy shale, 20% gr. shale.
 1720 - 1730 30% red shale, 20% grey sh. 50% white bentonite angular cse gnd. ss.
 1730 - 1740 10% red shale, 10% grey sh., 80% white bentonite angular, cse gnd. ss.
 1740 - 1750 20% red shale, 20% grey shale, 20% grn. shale, 40% white bentonite angular cse gnd. ss.
 1750 - 1760 80% red sh., 10% grey sh., 10% gr. shale.
 1760 - 1770 70% red shale, 10% grey sh., 20% green shale.
 1770 - 1780 70% red shale, 20% grey sha. 10% green shale.
 1780 - 1790 40% red shale, 20% grey sh. 20% gn. shale, 20% lite grey med. gnd. ss.
 1790 - 1800 30% red shale, 10% grey sh., 10% green shale, 50% lite grey med gnd. ss.
 1800 - 1810 20% red shale, 20% grey shal 10% gr. sh., 50% lite grey w/dead oil.
 1810 - 1820 20% ls 10% grey shale, 70% lite grey w/ dead dil.
 1820 - 1830 10% grey shale, 10% green shale, 80% lite grey med. gnd. ss.

#6
 1830 - 1840 20% ls, 80% lite grey med. gnd. ss.
 1840 - 1850 10% ls, 30% red sh. (some tan chert) 60% lite grey gnd. ss.
 1850 - 1860 10% ls, 30% red shale, 50% lite grey med gnd ss.
 1860 - 1870 20% red shale, 20% grey sh. 30% green sh., 30% ss.
 1870 - 1880 40% red shale, 20% grey sh., 10% gr. shale, 30% ss.
 1880 - 1890 50% red shale, 20% grey sh., 30% ss.
 1890 - 1900 20% red shale, 80% white angular med gnd. ss.
 1900 - 1910 30% red shale, 30% grey sh., 40% white angular med. gnd. ss.
 1910 - 1920 50% red sh., 20% grey sh., 10% gr. sh., 20% white angular med. gnd. ss.
 1920 - 1930 20% red shale, 20% grey sh., 60% white calcareous med. gnd. ss.
 1930 - 1940 10% ls, 40% red shale, 50% white calcareous med. gnd. ss.
 1940 - 1980 100% white calcareous med. gad.
 1980 - 1990 70% red shale, 30% grey sh.
 1990 - 2000 20% red shale, 20% grey sh., 30% gr. sh., 30% ss.
 2000 - 2010 20% ls 20% red sh., 30% grey sh., 10% gn. sh., 30% ss.

#7
 2010 - 2020 10% red sh., 50% brn. red sh., 30% grey sh., 10% gn. sh.
 2020 - 2030 10% ls. 70% brn. red sh., 20% grey sh.
 2030 - 2040 20% brn. red sh., 20% gn. sh., 40% white med gnd. ss.
 2040 - 2050 30% red sh., 20% brn. red sh., 30% grey sh., 20% grn. shale.
 2050 - 2060 10% ls, 30% sh red, 10% brn. red sh., 30% grey sh., 10% green sh., 10% ss.
 2060 - 2070 50% brown-red sandy shale, 30% grey shale, 10% green shale, 10% ss.
 2070 - 2080 20% red shale, 20% ls, 40% grey shale, 10% grn. sh., 10% ss.
 2080 - 2090 20% red shale, 10% brn. sh., 40% grey sh., 10% gn. sh. 20% ss.
 2100 - 2110 60% brn. fx. ls, 40% ss
 2110 - 2120 30% brn fx. ls., 70% white g.f. ss w/dead oil.
 2120 - 2130 50% brn fx. ls, 50% white f.g. ss w/dead oil.
 2130 - 2140 70% red sh., 30% white f.g. ss w/ dead oil.
 2140 - 2146 70% red shale, 30% red med. gnd. shaly ss.
 2146 - 2148 (Circulated) 100% f.g. wh. ss with dead oil.
 2148 - 2200 100% f.g. white ss w/dead oil.

#8
 2200 - 2220 20% red sandy sh., 20% grey shale, 60% wh. f.g. ss.
 2220 - 2510 100% white f.g. ss.
 2510 - 2555 100% red med gnd ss.
 2555 - 2615 100% white med f.g. ss.
 2615 - 2635 100% pink f.g. ss.
 2635 - 2640 100% white quartzitic ss w/ sub rounded f.g. gs.
 2640 - 2660 100% f.g. red quartzitic ss/ w/ assoc. green & black minerals and some muscovite.
 2660 - 2710 100% calcareous cse gnd buff quartzitic, ss, slightly arkosic.
 2710 - 2720 90% calcareous cse gnd buff quartzitic ss, slightly arkosic, 10% shale (red)
 2720 - 2730 20% red sh., 10% grn. sh., 70% calcareous cse gnd. buff quartzitic ss. slightly arkosic.
 2730 - 2740 10% red sh., 10% grn. sh., 70% calcareous cse gnd. buff quartzitic ss. 10% ls.
 2760 - 2780 30% white shale, 70% med. gnd buff ss.
 2740 - 2760 100% ss slightly conglomeratic.
 2780 - 3100 100% med gnd. pink to buff ss.
 3100 - 2110 10% ls, 30% red sh., 10% grn sh., 20% red shaly ss., 30% ss.
 3110 - 3120 80% red shale, 20% f.g. red quartzitic ss.

3320 - 3798 100% arkose (as above.)
Undifferentiate granite
wash.

Drill Stem Test:

Total Depth 1566'

Packer Depth 1506'

Bottom Choke 5/8"

Surface Choke 1"

Tool opened with fair blow. Recovered
200' of gas cut drilling mud.

Initial Flow Pressure 68 p.s.i.

Tool opened 1 hr.

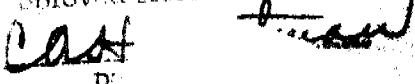
Final Flow Pressure 451 p.s.i.

Time closed in 15 minutes

3120 - 3140	100% f.g. red quartzitic ss.
3140 - 3150	50% red sh., 50% ss (as above.)
3150 - 3160	30% red sh., 70% ss (as above.)
3160 - 3170	10% ls, 10% red sh., 80% ss (as above.)
3170 - 3190	100% ss.
3190 - 3200	10% red shale, 90% ss.
3200 - 3210	100% red and white speckled fr. ls.
3210 - 3220	20% red & white speckley fr ls. 30% red sh., 50% f.g. red calcareous ss.
3220 - 3230	10% red sh., 90% f.g. red calcareous ss.
3230 - 3240	20% ls., 50% red shale, & 30% f.g. red calcareous ss.
3240 - 3250	20% ls., 20% red shale, 60% g.f. red calcareous ss.
3250 - 3260	50% ls. 50% f.g. red cal- careous ss.
3260 - 3270	10% ls., 10% red sh., 80% f.g. red calcareous ss.
3270 - 3280	100% ss w/some white to pale green f.g. ss.
3280 - 3290	50% conglomerate, 50% ss.
3290 - 3300	100% conglomerate.
3300 - 3310	40% anhydrite, 60% congl- omerate.
3310 - 3320	20% conglomerate, 80% arkose, grey, slightly calcareous w/ some green shaly cement- ing mat'l. Abundant pink feldspar & biotite.

CONDITIONS OF APPROVAL

1. Lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary steps to preserve these markings.
2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and properly cemented theron the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or sanding so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of the U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator or completion of the well whichever is earlier.
6. The District Engineer, C. A. Hauptman, 306 Federal Building, Salt Lake City 1, Utah, shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing other than the surface or conductor string, to permit approval of the notice prior to start of proposed work.

Approved AUG 3 - 1950

 Carl
 D.

BOUNTY OIL

1

— 1 —

500- 541-2420-202

ELEY 4.5V

CRM-9-1A-50

3,810

Nash Draw #1

COMPANY **EQUITY** **ONE** **WORTH** **AMERICA**

FARM

	Nash Draw #1	
Dakota sandstone	1490	3325
Morrison fm.	1544	2971
Salt Wash Memb.	1950	
Entrada	2150	2365
Carmel	2515	2400
Navajo	2542	1913
Wingate	2790	1735
Chinle	3115	1400
Granite Wash	3315	1200
Granite	3798	7-7 43
T. D.	3810	7600 110

[View Details](#)

INITIAL PRODUCTION

第10章

ME ICA

L

L2

Nash - ash Ununitized

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AUG 30 1950

GEOLOGICAL SURVEY

RECEIVED

AUG 30 1950

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 22, 1950, 19

Well No. 1 is located 2220 ft. from {N} line and 800 ft. from {E} line of sec. 20

NW 1/4 SW 1/4

(4 Sec. and Sec. No.)

21 S

(Twp.)

23E

(Range)

SLM

(Meridian)

Wildcat

(Field)

Emery

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is 4514 ft. R. D. B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill Stem Test of Dakota Sandstone section. Top of Dakota sandstone 1511.

D. S. T. 1512-65, open 1 hour - shut in 15 minutes

Strong blow throughout test.

Recovered 1100 feet of fluid.

Top 200 feet slightly gas-cut mud.

Bot. 900 feet slightly gas-cut saltwater.

Flowing pressure 225', building up to 475'.

Failed to obtain bottom hole shut-in pressure.

Hydrostatic head 625'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Equity Oil Company

Address 400 Utah Oil Building

Salt Lake City, Utah

Approved AUG 31 1950
District EngineerBy W. C. PalmerTitle Chief Geologist

Confidential

August 31st, 1950



Equity Oil Company
#1 Nash Wash
Sec. 20-21S-23E - Grand County, Utah
Gov't. Lease No. 067224 (Green)

WEEKLY REPORT:

As of noon, August 30th, this well was drilling at a depth of 2352 feet in the lower part of the Entrada sandstone section. The tops of the formations cut to date are as follows:

Dakota sandstone	1511
Morrison fm.	1545
Salt Wash Memb. Morrison	1935
Entrada sandstone	2146

No cores or drill stem tests have been taken on the well that have not been previously reported. A slight show of dead oil was observed in the cuttings from the Entrada sandstone, but was not cored or tested. Except for the slight show of gas observed in the Dakota, no other significant shows of oil or gas have been observed in the well to date.

V.E. Peterson
V. E. Peterson
Chief Geologist

DeEJon

Nas 1 Loc

800' fw1, 2,220' fal,
Sec. 20, T 21S, R 23E

ELEVATION: 4,514 RDB

Samples by T. E. Turner

0 - 40	100% grey calcareous shale with some gypsum.							
40 - 300	100% grey calcareous shale with some gypsum.							
300 - 340	100% grey calcareous shale w/modules and stringers, of brown x ls.							
340 - 350	100% grey calcareous shale tr. brown chut.							
350 - 500	100% grey calcareous shale w/ some gypsum.							
500 - 540	100% grey shale.							
540 - 550	70% grey shale. 30% white f. g. shaly ss. w/ muscovite.							
550 - 570	100% grey shale.							
570 - 580	10% sandy ls. 90% grey shale.							
580 - 600	100% grey shale.							
600 - 610	40% grey shale f. g. shaly ss, white to light grey, 60%.							
610 - 620	30% " " 70% f. g. shaly s. s.							
620 - 630	20% " " 80% " " "							
630 - 640	20% " " 80% " " "							
640 - 650	10% " " 90% " " "							
650 - 730	100% " "							
730 - 740	100% Grey sandy shale.							
740 - 760	100% grey shale.							
760 - 770	70% grey shale. 30% shaly f. g. lite grey ss.							
770 - 790	100% " "							
790 - 800	100% grey sandy shale.							
800 - 810	10% tan dense la. 90% grey sandy shale.							
810 - 820	10% " " " 80% grey sandy shale. 10% ss.							
820 - 830	100% grey shale.							
830 - 840	10% tan dense la. 90% grey shale.							
840 - 1120	100% grey shale.							
1120 - 1130	100% grey shale w/ some gypsum.							
1130 - 1160	10% tan dense la. 90% grey shale.							
1160 - 1170	100% grey shale.							
1170 - 1180	10% tan dense la. 80% grey shale. 10% ss.							
1180 - 1190	100% grey shale.							
1190 - 1200	90% grey shale.. 10% white bentonite.							
1200 - 1220	70% grey shale. 30% f. g. lite grey ss, w/pyrite.							
1220 - 1240	50% grey shale. 50% " " " " "							
1240 - 1250	10% tan dense ls. 50% grey shale. 40% f. g. lite grey ss w/ pyrite.							
1250 - 1270	100% grey shale.							
1270 - 1300	50% sandy grey shale.	20%	"	"	"	"	"	"
1300 - 1310	50% " " "	20%	"	"	"	"	"	"
1310 - 1330	50% " " "	20%	"	"	"	"	"	"
1330 - 1340	40% " " "	20%	"	"	"	"	"	"
1340 - 1350	70% " " "	20%	"	"	"	"	"	"
1350 - 1360	40% " " "	20%	"	"	"	"	"	"
1360 - 1370	60% " " "	20%	"	"	"	"	"	"
1370 - 1380	20% "	20%	"	"	"	"	"	"
1380 - 1390	100% grey ss	20%	"	"	"	"	"	"
1390 - 1400	50% grey shale	20%	"	"	"	"	"	"

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Lease No.

067224

Unit

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY SEP 22 1950

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SEP 27 1950

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21st, 1950

Well No. 1 is located 2,220 ft. from [S] line and 900 ft. from [W] line of sec. 20.

SW $\frac{1}{4}$, Sec. 20

21S

23E

Salt Lake

(Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

Grand

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 4,514 ft. R. D. B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

As per telephone conversation between Mr. C. A. Hampton of the U. S. G. S. and V. E. Peterson of the Equity Oil Company September 20th, 1950, permission to abandon the Equity Oil Company #1 Nash Brew well was obtained. Requirements for abandonment are as follows: Total depth of well, 3610'.

1. Leave hole full of heavy mud.
2. Set cement shut-off plug through Dakota sand section between 2490 and 1545 feet.
3. Set small plug in top of surface pipe in which an 8 foot length of 4" pipe is placed such that 4 feet of the pipe will be left standing above the surface to serve as a marker for the well.
4. Clean up location.

Operations to meet these requirements were started on the evening of September 20th.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Equity Oil Company

Address 400 Utah Oil Building

Salt Lake City, Utah

By V. E. Peterson

V. E. Peterson
Chief Geologist

SEP 22 1950

Title

Land Surveyor

Assistant Engineer

S. U.S.

LINE ON PLATE TO PROV.
Nash Draw (Not Unitized)

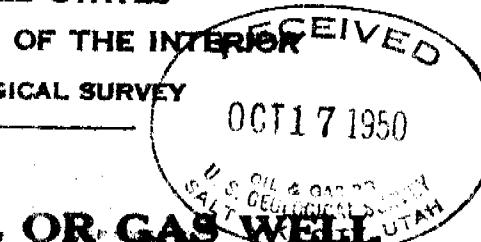
UNITED STATES

DEPARTMENT OF THE INTERIOR

OCT 17 1950

GEOLOGICAL SURVEY

OCT 17 1950



LOG OF OIL OR GAS WELL

SETTING MADE CORRECTLY

Company EQUITY OIL COMPANY Address 400 Utah Oil Bldg. Salt Lake City, Ut.
 Owner or Manager Lewis H. Green Field Wildcat State Utah
 Well No 3 Sec. 20 T. 21S R. 23E Meridian Salt Lake County Grand
 Location 2,264 ft N of S Line and 800 ft E of W Line of Section 20 Elevation 4,514 R.D.B.
(Elevation above relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed V.C. JohnsonTitle GeologistDate October 16, 1950

The summary on this page is for the condition of the well at above date.

Commenced drilling August 14, 1950 Finished drilling September 20, 1950

OIL OR GAS BANDS OR ZONES

(Denote gas by G)

No. 1, from	<u>1490</u>	to	<u>1544 Tr. Gas</u>	No. 4, from	to
No. 2, from	to			No. 5, from	to
No. 3, from	to			No. 6, from	to

IMPORTANT WATER BANDS

No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	DATE SET	Length	Kind of steel	Cut and pointed front	Produced	Produced
10 3/4	40 lb	40							

HOLLOW OR OUT-OF-SORTIMENT Casing

MUDGING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	305'	230			

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 5.5 feet Depth 100 ft
 Adapter—Material Cement Size 10 3/4

Rotary tools were used

Set to ... feet, and from ... feet to ... feet
Cable tools were used from ... feet to ... feet, and from ... feet to ... feet

DATES

Put to producing

, 19

The production for the first 24 hours was barrels of fluid of which % was oil;
excluded % water and % sediment.

Gravity, °Bé.

Gross well gas, cu. ft. per 24 hours

Gallons gasoil per 1,000 cu. ft. of gas

Surface pressure, lbs. per sq. in.

J. S. Durban

EMPLOYEES

Driller

R. Voss

Driller

B. D. Hart

Driller

Driller

FORMATION RECORD

FEET

70

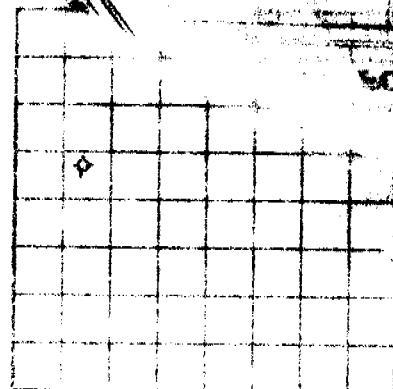
TOTAL FEET

FORMATION

See attached sheet for detailed log.

Formation tops:

Dakota sandstone	1490
Morrison fm.	1544
Salt Wash Memb.	1950
Entrada	2150
Carmel	2515
Mayojo	2942
Wingate	2790
Chinle	3115
Granite Wash	3115
Granite	3798
T. D.	3820



OKAWA LION SECOND COMPANY

DEVELOPMENT OF THE OKAWA FIELD

2

OKAWA DRILLING CO., INC.
P.O. BOX 1000, BIRMINGHAM, ALABAMA

RECEIVED FROM: C. G. COOPER
O. & G. DIVISION, BIRMINGHAM

RECORDED IN INDEX

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Page No. 24

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY 15 1951

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OCT 17 1950

NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE OR OTHER DATA)

October 15, 1950

Well No. 1 is located 2220 ft. from [S] line and 600 ft. from [W] line of sec. 20

Sec. Sec. 20 (1/4 Sec. and Sec. No.)	Twp. (Twp.)	Range (Range)	Salt Lake (Meridian)
Wildcat (Field)	216	231	Utah (State or Territory)
	Ground (County or Subdivision)		

The elevation of the derrick floor above sea level is 4514 ft. R.R.S.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudline, job, cementing points, and all other important proposed work)

On September 29th, 1950 all operations on the location of the Equity Oil Company #1 Rock Draw were discontinued as far as the company was concerned. At that time, the rig used to drill the hole had been torn down and prepared to move. The well was plugged on the evening of September 29th, 1950 as follows. The hole was left full of 90 viscosity, 30.25 wt. % water, 1000 ft. of 25 sacks of cement was set between 1450 and 1510. A small plug consisting of 9 sacks of cement was set in the top of the surface pipe in which an 8 foot length of 4" pipe was placed such that it would stand 4 feet above the surface of the ground after the location had been cleared.

Inspected by District Engineer on July 11, 1951, and found to be satisfactory.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Equity Oil Company

Address 400 Utah Oil Building

Salt Lake City, Uta

JUL 15 1951

Orchard

District Engineer

Sample Description - Equity Oil Company

Nash Draw #1 Location:

43-019-11551

800' fwl, 2,220' fsl,
Sec. 20, T 21S, R 23E

ELEVATION: 4,514 RDB

0 - 40	100%	grey calcareous shale with some gypsum.
40 - 300	100%	grey calcareous shale with some gypsum.
300 - 340	100%	grey calcareous shale w/nodules and stringers, of brown x ln ls.
340 - 350	100%	grey calcareous shale tr. brown chut.
350 - 500	100%	grey calcareous shale w/ some gypsum.
500 - 540	100%	grey shale.
540 - 550	70%	grey shale. 30% white f. g. shaly ss. w/ muscovite.
550 - 570	100%	grey shale.
570 - 580	10%	sandy ls. 90% grey shale.
580 - 600	100%	grey shale.
600 - 610	40%	grey shale f. g. shaly ss, white to light grey, 60%.
610 - 620	30%	" " 70% f. g. shaly s. s.
620 - 630	20%	" " 80% " " "
630 - 640	20%	" " 60% " " "
640 - 650	10%	" " 90% " " "
650 - 730	100%	" "
730 - 740	100%	Grey sandy shale.
740 - 760	100%	grey shale.
760 - 770	70%	grey shale. 30% shaly f. g. lite grey ss.
770 - 790	100%	" "
790 - 800	100%	grey sandy shale.
800 - 810	10%	tan dense la. 90% grey sandy shale.
810 - 820	10%	" " 80% grey sandy shale. 10% ss.
820 - 830	100%	grey shale.
830 - 840	10%	tan dense la. 90% grey shale.
840 - 1120	100%	grey shale.
1120 - 1130	100%	grey shale w/ some gypsum.
1130 - 1160	10%	tan dense la. 90% grey shale.
1160 - 1170	100%	grey shale.
1170 - 1180	10%	tan dense la. 80% grey shale. 10% ss.
1180 - 1190	100%	grey shale.
1190 - 1200	90%	grey shale.. 10% white bentonite.
1200 - 1220	70%	grey shale. 30% f. g. lite grey ss, w/pyrite.
1220 - 1240	50%	grey shale. 50% " " " " "
1240 - 1250	10%	tan dense ls. 50% grey shale. 40% f. g. lite grey ss w/ pyrite.
1250 - 1270	100%	grey shale.
1270 - 1300	80%	sandy grey shale. 20% " " " " "
1300 - 1310	50%	" " " 50% " " " " "
1310 - 1330	80%	" " " 20% " " " " "
1330 - 1340	40%	" " " 60% " " " " "
1340 - 1350	70%	" " " 30% " " " " "
1350 - 1360	40%	" " " 60% " " " " "
1360 - 1370	60%	" " " 40% " " " " "
1370 - 1380	20%	" " " 80% " " " " "
1380 - 1390	100%	f. g. grey shaly ss.
1390 - 1400	50%	grey shale 50% f. g. grey shaly ss.

1400 - 1410	80% grey shale. 20% f. g. grey shaly ss.
1410 - 1420	60% " " 40% " " " "
1420 - 1450	80% " " 20% " " " "
1450 - 1460	100% white cse gnd ss w/some white chert.
1460 - 1470	100% " " " " " " " "
1470 - 1480	30% " " 70% " " " " " "
1480 - 1490	90% " " 10% " " " " " "
1490 - 1500	60% " " 40% " " " " " "
1500 - 1510	90% " " 10% " " " " " "
1510 - 1520	70% " " 30% " " " " " "
1520 - 1540	100% " " " " " " " " w/white & grey chert.
1540 - 1550	80% lite grey dense ls. 10% green shale, 10% ss
1550 - 1560	60% " " " " 40% " " "
1560 - 1570	40% red shale, 20% grey shale, 20% green sh. 10% yellow shale, 10% ss.
1570 - 1580	80% " " 10% " " " " 10% " "
1580 - 1590	40% " " 40% " " 10% " " 10% " "
1590 - 1600	20% " " 80% green sandy shale.
1600 - 1610	30% " " 70% " " " "
1610 - 1620	100% fine to cse gnd, white to varigated arkosic ss.
1620 - 1630	80% red shale, 20% ss. (as above)
1630 - 1640	100% med gnd red ss.
1640 - 1650	20% red shale, 40% grey shale, 40% green shale.
1650 - 1660	30% grey shale, 20% " " 50% f.g. pink ss.
1660 - 1670	No sample.
1670 - 1680	20% red shale, 60% grey shale, 20% " " "
1680 - 1690	20% " " 40% " " 20% " " , 20% med gnd white ss.
1690 - 1700	20% " " 40% " " 20% " " , 20% " " " "
1700 - 1710	50% " " 20% " " 20% " " 10% " " " "
1710 - 1720	50% " " 30% " sandy 20% " " "
1720 - 1730	30% " " 20% grey shale 50% white bentonite angular cse gnd ss.
1730 - 1740	10% " " 10% " " 80% " " " "
1740 - 1750	20% " " 20% " " 20% " " 40% " " " "
1750 - 1760	80% " " 10% " " 10% " " "
1760 - 1770	70% " " 10% " " 20% " " "
1770 - 1780	70% " " 20% " " 10% " " "
1780 - 1790	40% " " 20% " " 20% " " 20% lite grey med gnd. ss.
1790 - 1800	30% " " 10% " " 10% " " 50% " " " "
1800 - 1810	20% " " 20% " " 10% " " 50% " " w/ dead oil.
1810 - 1820	20% ls 10% " " 10% " " 70% " " " "
1820 - 1830	10% " " 10% " " 10% " " 80% lite grey med gnd ss.
1830 - 1840	20% ls 80% " " " " "
1840 - 1850	10% ls, 30% red shale (some tan chert) 60% " " " " "
1850 - 1860	10% ls, 30% " " 50% " " " " "
1860 - 1870	20% red shale, 20% grey shale, 30% green shale 30% ss
1870 - 1880	40% " " 20% " " 10% " " 30% " "
1880 - 1890	50% " " 20% " " 30% " "
1890 - 1900	20% " " 80% white angular med gnd ss
1900 - 1910	30% " " 30% " " 40% " " " "
1910 - 1920	50% " " 20% " " 20% " " " "
1920 - 1930	20% " " 20% " " 60% white calcareous med gnd ss
1930 - 1940	10% ls 40% red shale 50% " " " " "
1940 - 1980	100% " " " " " " " "
1980 - 1990	70% red shale 30% " " " " " " "
1990 - 2000	20% " " 20% " " 30% " " 30% ss

2000 - 2010	20% ls 20% red shale, 30% grey shale, 10% green shale, 30% ss
2010 - 2020	10% red shale, 50% brown-red shale, 30% grey shale, 10% green shale
2020 - 2030	10% ls 70% " " 20% " "
2030 - 2040	20% " " 20% green shale, 40% white med gnd ss.
2040 - 2050	30% red shale, 20% brown-red shale, 30% grey shale, 20% green shale.
2050 - 2060	10% ls, 30% red shale, 10% brown-red shale, 30% grey sh., 10% green sh., 10% ss.
2060 - 2070	50% brown-red sandy shale, 30% grey shale, 10% green shale, 10% ss.
2070 - 2080	20% red shale, 20% ls, 40% grey shale, 10% green shale, 10% ss.
2080 - 2090	20% red shale, 10% brown red sandy shale, 40% grey sh, 10% green sh, 20% ss.
2090 - 2100	30% brown fx ls, 20% red shale, 20% grey shale, 10% green shale, 20% ss. 40% "
2100 - 2110	60% " " "
2110 - 2120	30% " " ", 70% white f.g. ss w/ dead oil.
2120 - 2130	50% " " ", 50% " " " " " "
2130 - 2140	70% red shale, 30% " " " " " "
2140 - 2146	70% red shale, 30% red med gnd shaly ss.
2146 - 2148	(Circulated) 100% fg. white ss w/ dead oil.
2148 - 2200	100% f. g. white ss w/ dead oil.
2200 - 2220	20% red sandy shale, 20% grey shale, 60% white f. g. ss.
2220 - 2510	100% white f. g. ss.
2510 - 2555	100% red med gnd ss.
2555 - 2615	100% white med f. g. ss.
2615 - 2635	100% pink f. g. ss.
2635 - 2640	100% white quartzitic ss w/sub rounded f. g. gs
2640 - 2660	100% f. g. red quartzitic ss w/ assoc. green & black minerals and some muscovite
2660 - 2710	100% calcareous cse gnd buff quartzitic, ss, slightly arkosic.
2710 - 2720	90% # " " " " " " " " " " " " " " " " , 10% red shale.
2720 - 2730	20% red shale, 10% green shale 70% calcareous cse gnd. buff quartzitic ss. slightly arkosic.
2730 - 2740	10% " " 10% " " 70% " " " " " " " " " " " " 10% ls.
2040 - 2060	100% ss slightly conglomeratic
2060 - 2080	30% white shale, 70% med gnd buff ss.
2780 - 3100	100% med gnd pink to buff ss
3100 - 3110	10% ls, 30% red sh., 10% green sh., 20% red shaly ss., 30% ss.
3110 - 3120	80% red shale, 20% f.g. red quartzitic ss.
3120 - 3140	100% f. g. red quartzitic ss.
3140 - 3150	50% red shale, 50% ss (as above.)
3150 - 3160	30% red shale, 70% ss (as above)
3160 - 3170	10% ls, 10% red shale, 80% ss (as above)
3170 - 3190	100% ss
3190 - 3200	10% red shale, 90% ss.
3200 - 3210	100% red and white speckled fx ls.
3210 - 3220	20% red and white speckley fx ls, 30% red sh., 50% f.g. red calcareous ss.
3220 - 3230	10% red shale, 90% f.g. red calcareous ss.
3230 - 3240	20% ls., 50% red shale, 30% f. g. red calcareous ss.
3240 - 3250	20% " 20% " 60% " " " " " "
3250 - 3260	50% " 50% " " " " " "
3260 - 3270	10% " 10% " 80% " " " " " "
3270 - 3280	100% ss w/ some white to pale green f. g. ss.
3280 - 3290	50% conglomerate, 50% ss
3290 - 3300	100% conglomerate
3300 - 3310	40% arhydrite, 60% conglomerate
3310 - 3320	20% conglomerate, 80% arkose, grey, slightly calcareous w/some green shaly cementing material. Abundant pink feldspar and biotite
3320 - 3798	100% arkose (as above.) Undifferentiate granite wash.